

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTASMB1637

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 16:31:33 ON 09 JUN 2006

=> index all
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	0.21	0.21

INDEX 'ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ALUMINUM, ANABSTR, ANTE,
APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOENG, BIOSIS,
BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAOLD, CAPLUS, CASREACT, CBNB,
CEABA-VTB, CERAB, CHEMINFORMRX, CHEMSAFE, ...'
ENTERED AT 16:31:56 ON 09 JUN 2006

135 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s (nanoparticle) AND (enhanc?) AND (lithium (2a) chloride)
3 FILE BIOTECHABS
3 FILE BIOTECHDS
11 FILE CAPLUS
27 FILES SEARCHED...
1 FILE COMPENDEX
1 FILE DRUGU
47 FILES SEARCHED...
1 FILE ENERGY
11 FILE EPFULL
68 FILES SEARCHED...
7 FILE IFIPAT
1 FILE INIS
1 FILE INSPEC
96 FILES SEARCHED...
89 FILE PCTFULL
2 FILE PROMT
1 FILE SCISEARCH
122 FILES SEARCHED...
117 FILE USPATFULL
24 FILE USPAT2
7 FILE WPIDS
7 FILE WPINDEX

17 FILES HAVE ONE OR MORE ANSWERS, 135 FILES SEARCHED IN STNINDEX

L1 QUE (NANOPARTICLE) AND (ENHANC?) AND (LITHIUM (2A) CHLORIDE)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	3.05	3.26

FILE 'CAPLUS' ENTERED AT 16:35:09 ON 09 JUN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the

American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 Jun 2006 VOL 144 ISS 25
FILE LAST UPDATED: 8 Jun 2006 (20060608/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s (nanoparticle) AND (enhanc?) AND (lithium (2a) chloride)
    36190 NANOPARTICLE
    60128 NANOPARTICLES
    63261 NANOPARTICLE
        (NANOPARTICLE OR NANOPARTICLES)
    901104 ENHANC?
    307122 LITHIUM
    360 LITHIUMS
    307248 LITHIUM
        (LITHIUM OR LITHIUMS)
    1078853 CHLORIDE
    157319 CHLORIDES
    1150922 CHLORIDE
        (CHLORIDE OR CHLORIDES)
    24468 LITHIUM (2A) CHLORIDE
L2      11 (NANOPARTICLE) AND (ENHANC?) AND (LITHIUM (2A) CHLORIDE)
```

=> d ti 1-11

```
L2      ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Detection and identification of peptide and protein modifications by
surface enhanced Raman spectroscopy

L2      ANSWER 2 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Nucleic acid sequencing by raman monitoring of uptake of nucleotides
during molecular replication

L2      ANSWER 3 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Composite organic-inorganic nanoclusters and their preparation for
multiplex assays of biological samples

L2      ANSWER 4 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Methods for using Raman spectroscopy to obtain a protein profile of a
biological sample

L2      ANSWER 5 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Nucleic acid sequencing by Raman monitoring of uptake of precursors during
molecular replication

L2      ANSWER 6 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Methods for nucleic acid sequencing by Raman spectroscopy monitoring of
uptake of nucleotides during molecular replication

L2      ANSWER 7 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Methods and systems for detecting analytes by chemical enhancement
in surface enhanced Raman scattering using lithium salts

L2      ANSWER 8 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
TI      Biomolecule analysis by rolling circle amplification and SERS detection
and system for such analysis

L2      ANSWER 9 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
```

TI Spectroscopic analysis system and method

L2 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

TI Molecular dynamics simulation of the effect of nanoparticle fillers on ion motion in a polymer host

L2 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

TI Structures and materials for dye sensitized solar cells

=> d kwic 1

L2 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

TI Detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy

AB . . . present invention provide devices and methods for detecting, identifying, distinguishing, and quantifying modification states of proteins and peptides using Surface Enhanced Raman (SERS) and Raman spectroscopy. Applications of embodiments of the present invention include, for example, proteome wide modification profiling and. . .

ST peptide protein modification detection identification SERS spectroscopy; posttranslational modification protein peptide detection SERS; surface enhanced Raman spectroscopy detection protein modification

IT Histones

RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); ANST (Analytical study); BIOL (Biological study); RACT (Reactant or reagent)

(H3, detection of post-translational modifications of; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Enzymes, analysis

RL: ANT (Analyte); BSU (Biological study, unclassified); CAT (Catalyst use); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(activity profiling; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Body fluid

Samples

(anal. of; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Acetylation

Glycosylation

Nitrosation

Palmitoylation

Phosphorylation, biological

(as modification state of peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Metals, analysis

RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)

(as surface enhanced Raman active substrate; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Diagnosis

Mass spectrometry

Prognosis

SERS (Raman scattering)

(detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Peptides, analysis

RL: ANT (Analyte); BSU (Biological study, unclassified); FMU (Formation, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative)

(detection and identification of peptide and protein modifications by

surface enhanced Raman spectroscopy)

IT Proteome
RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties); ANST (Analytical study); BIOL (Biological study)
(detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Proteins
RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); ANST (Analytical study); BIOL (Biological study); RACT (Reactant or reagent)
(detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Post-translational processing
(detection of; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Disease, animal
(diagnosis; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Methylation
(dimethylation, as modification state of peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Drugs
(efficacy studies; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Peptides, biological studies
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(immobilized on surface, SERS spectroscopy of surface before and after contact with fluid sample; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Lipids, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(lipidation, as modification state of peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Samples
(liquid, anal. of; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Time-of-flight mass spectrometry
(matrix-assisted photodesorption-photoionization; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Particles
(metal, as surface enhanced Raman active substrate; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Nanoparticles
(of gold or silver, deposited on substrate surface; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Aggregates
Colloids
(of metallic particles, as surface enhanced Raman active substrate; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Protein microarray technology
(peptide, SERS spectroscopy of surface before and after contact with fluid sample; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT HPLC
Reversed phase HPLC
(peptides separation by; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Laser ionization mass spectrometry

(photodesorption, matrix-assisted, time-of-flight; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Laser desorption mass spectrometry
(photoionization, matrix-assisted, time-of-flight; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Methylation
(trimethylation, as modification state of peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT Proteins
RL: ANT (Analyte); BSU (Biological study, unclassified); PRP (Properties); RCT (Reactant); ANST (Analytical study); BIOL (Biological study); RACT (Reactant or reagent)
(ubiquitinated; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 7447-41-8, Lithium chloride, analysis
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(Raman substrate activated with; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 877070-70-7 877070-71-8 877070-72-9 877070-73-0 877070-74-1
877070-75-2 877070-76-3 877070-77-4 877070-78-5 877070-79-6
877070-80-9 877070-81-0 877070-82-1 877070-83-2
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(SERS spectra of, as histone H3 peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 9012-30-0, Acetylase 9013-05-2, Phosphatase 9068-85-3, Deacetylase
372092-80-3, Protein kinase
RL: BSU (Biological study, unclassified); CAT (Catalyst use); BIOL (Biological study); USES (Uses)
(SERS spectroscopy of substrate surface having immobilized peptides before and after contact with fluid sample containing; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 7440-22-4, Silver, analysis 7440-57-5, Gold, analysis
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(as surface enhanced Raman active substrate; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 123175-81-5, Endoproteinase Arg-C
RL: BSU (Biological study, unclassified); CAT (Catalyst use); BIOL (Biological study); USES (Uses)
(histone H3 digestion with; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 7440-21-3, Silicon, analysis
RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)
(porous, coated with gold or silver, as Raman active surface; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 9001-92-7, Proteinase
RL: BSU (Biological study, unclassified); CAT (Catalyst use); BIOL (Biological study); USES (Uses)
(protease, in proteins digestion to smaller peptides; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 7429-90-5, Aluminum, uses
RL: DEV (Device component use); USES (Uses)
(tray, SERS anal. of drop of mixture of colloidal silver and peptide

solution and lithium chloride on; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

IT 60267-61-0, Ubiquitin

RL: BSU (Biological study, unclassified); BIOL (Biological study) (ubiquitination, as modification state of peptide; detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy)

=> s (sers or (surface (a) enhanced (a) raman (a) spectroscopy)) (p) (lithium (a) chloride)

5261 SERS
2235988 SURFACE
424637 SURFACES
2409254 SURFACE
(SURFACE OR SURFACES)

507226 ENHANCED
5 ENHANCEDS
507230 ENHANCED
(ENHANCED OR ENHANCEDS)

147911 RAMAN
15 RAMANS
147911 RAMAN
(RAMAN OR RAMANS)

646184 SPECTROSCOPY
15953 SPECTROSCOPIES
656964 SPECTROSCOPY
(SPECTROSCOPY OR SPECTROSCOPIES)

307122 LITHIUM
360 LITHIUMS
307248 LITHIUM
(LITHIUM OR LITHIUMS)

1078853 CHLORIDE
157319 CHLORIDES
1150922 CHLORIDE
(CHLORIDE OR CHLORIDES)

L3 10 (SERS OR (SURFACE (A) ENHANCED (A) RAMAN (A) SPECTROSCOPY)) (P)
(LITHIUM (A) CHLORIDE)

=> d ti 1-10

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Method to detect molecular binding by surface-enhanced Raman spectroscopy using colloidal metal particles

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Composite organic-inorganic nanoclusters and their preparation for multiplex assays of biological samples

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Specific chemical effects on surface-enhanced Raman spectroscopy for ultra-sensitive detection of biological molecules

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods and systems for detecting analytes by chemical enhancement in surface enhanced Raman scattering using lithium salts

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Chemical enhancement in surface enhanced Raman scattering using lithium salts

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Biomolecule analysis by rolling circle amplification and SERS detection and system for such analysis

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Spectroscopic analysis system and method

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Benzotriazole maleimide as a bifunctional reactant for SERS

L3 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Nonaqueous SERS: imidazole in methanol solution at a silver electrode

=> d bib 1-7

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:195936 CAPLUS
DN 144:249976
TI Detection and identification of peptide and protein modifications by surface enhanced Raman spectroscopy
IN Sundararajan, Narayan; Sun, Lei; Su, Xing; Yamakawa, Mineo; Jingwu, Zhang; Chan, Selena; Berlin, Andrew; Koo, Tae-Woong; Roth, Mark; Gafen, Phil
PA Intel Corporation, USA
SO PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006023458	A1	20060302	WO 2005-US29019	20050813
	WO 2006023458	C2	20060406		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	US 2006009914	A1	20060112	US 2004-919699	20040816
PRAI	US 2004-919699	A	20040816		
	US 2005-202862	A	20050811		
	US 2004-587334P	P	20040712		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1078121 CAPLUS
DN 143:342250
TI Method to detect molecular binding by surface-enhanced Raman spectroscopy using colloidal metal particles
IN Koo, Tae-Woong; Chan, Selena
PA Intel Corporation, USA
SO U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	US 2005221507	A1	20051006	US 2004-814981	20040330
	WO 2005098441	A2	20051020	WO 2005-US10384	20050325
	WO 2005098441	A3	20051110		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					

PRAI US 2004-814981 A 20040330

L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:963670 CAPLUS
 DN 143:263062
 TI Composite organic-inorganic nanoclusters and their preparation for
 multiplex assays of biological samples
 IN Su, Xing; Zhang, Jingwu; Sun, Lei; Berlin, Andrew A.
 PA USA
 SO U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of U.S. Ser. No. 830,422.
 CODEN: USXXCO

DT Patent
 LA English

FAN.CNT 3

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	US 2005191665	A1	20050901	US 2004-21682	20041223
	US 2005147963	A1	20050707	US 2003-748336	20031229
	US 2005142567	A1	20050630	US 2004-830422	20040421
	WO 2005090948	A2	20050929	WO 2004-US43878	20041228
	WO 2005090948	A3	20060216		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
PRAI US 2003-748336	A2	20031229			
US 2004-830422	A2	20040421			
US 2004-21682	A	20041223			

L3 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:1075730 CAPLUS
 DN 142:444116
 TI Specific chemical effects on surface-enhanced Raman spectroscopy for
 ultra-sensitive detection of biological molecules
 AU Koo, Tae-Woong; Chan, Selena; Sun, Lei; Su, Xing; Zhang, Jingwu; Berlin,
 Andrew A.
 CS Intel Research, Intel Corporation, Santa Clara, CA, 95054, USA
 SO Applied Spectroscopy (2004), 58(12), 1401-1407
 CODEN: APSPA4; ISSN: 0003-7028
 PB Society for Applied Spectroscopy
 DT Journal
 LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:824100 CAPLUS
DN 141:291847
TI Methods and systems for detecting analytes by chemical enhancement in surface enhanced Raman scattering using lithium salts
IN Su, Xing; Sun, Lei; Koo, Tae-Woong; Chan, Selena
PA Intel Corporation, USA
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004085988	A2	20041007	WO 2004-US2989	20040204
	WO 2004085988	A3	20041104		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1606610	A2	20051221	EP 2004-749311	20040204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2006514309	T2	20060427	JP 2005-518574	20040204
PRAI	US 2003-387750	A	20030312		
	WO 2004-US2989	W	20040204		

L3 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:759566 CAPLUS
DN 141:221285
TI Chemical enhancement in surface enhanced Raman scattering using lithium salts
IN Su, Xing; Sun, Lei; Koo, Tae-Woong; Chan, Selena
PA Intel Corporation, USA
SO U.S. Pat. Appl. Publ., 10 pp.
CODEN: USXXCO

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004179195	A1	20040916	US 2003-387080	20030312
	US 7019828	B2	20060328		
PRAI	US 2003-387080		20030312		

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:681299 CAPLUS
DN 141:170473
TI Biomolecule analysis by rolling circle amplification and SERS detection and system for such analysis
IN Sun, Lei; Su, Xing
PA USA
SO U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO

DT	Patent				
LA	English				
FAN.CNT 1					
PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	US 2004161750	A1	20040819	US 2003-367071	20030214
	WO 2005014860	A2	20050217	WO 2004-US2391	20040128
	WO 2005014860	A3	20050428		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1592812	A2	20051109	EP 2004-775738	20040128
	R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1723290	A	20060118	CN 2004-80001922	20040128
	US 2006099636	A1	20060511	US 2005-313108	20051219
PRAI	US 2003-367071	A	20030214		
	WO 2004-US2391	W	20040128		

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y) /N/HOLD:Y

COST IN U.S. DOLLARS

6054 IN 6051 BURRILL

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 16:39:24 ON 09 JUN 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTASMB1637

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006

NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9 MAR 22 EMBASE is now updated on a daily basis
NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS 16 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 17 MAY 11 KOREAPAT updates resume
NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 21 JUN 02 The first reclassification of IPC codes now complete in INPADOC

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT <http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 13:02:53 ON 12 JUN 2006

```

=> index all
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.21      0.21

```

INDEX 'ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ALUMINIUM, ANABSTR, ANTE,
APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOENG, BIOSIS,
BIOTECHABS; BIOTECHDS, BIOTECHNO, CABA, CAOLD, CAPLUS, CASREACT, CBNB,
CEABA-VTB, CERAB, CHEMINFORMRX, CHEMSAFE, ...'
ENTERED AT 13:03:07 ON 12 JUN 2006

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

```
=> s (raman) (p) (lithium) (p) (enhanc?)  
      0* FILE ALUMINIUM  
      1 FILE ANABSTR
```

```
2* FILE ANTE
5* FILE APOLLIT
0* FILE AQUALINE
8* FILE BABS
0* FILE BIBLIODATA
1* FILE BIOENG
1 FILE BIOSIS
4* FILE BIOTECHABS
4* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CAOLD
90 FILE CAPLUS
1* FILE CASREACT
0* FILE CBNB
2* FILE CEABA-VTB
3 FILE CERAB
0* FILE CIN
0* FILE CIVILENG
84* FILE COMPENDEX
30 FILES SEARCHED...
0* FILE COMPUSCIENCE
0* FILE COPPERLIT
0* FILE CORROSION
0* FILE CSNB
0* FILE DETHERM
17 FILE DISSABS
0* FILE DKF
11 FILE ELCOM
```

<-----User Break----->

```
=> s (raman) (8a) (lithium) (8a) enhanc?
1 FILE BIOTECHABS
1 FILE BIOTECHDS
29 FILE CAPLUS
2 FILE COMPENDEX
30 FILES SEARCHED...
1 FILE DISSABS
1 FILE ELCOM
1 FILE ENCOMPLIT
1 FILE ENERGY
1 FILE EPFULL
58 FILES SEARCHED...
2 FILE IFIPAT
1 FILE INIS
3 FILE INPADOC
6 FILE INSPEC
83 FILES SEARCHED...
1 FILE PASCAL
2 FILE PCTFULL
106 FILES SEARCHED...
2 FILE PROMT
3 FILE SCISEARCH
1 FILE TEMA
2 FILE TOXCENTER
3 FILE USPATFULL
1 FILE USPAT2
2 FILE WPIDS
132 FILES SEARCHED...
2 FILE WPINDEX
```

23 FILES HAVE ONE OR MORE ANSWERS, 135 FILES SEARCHED IN STNINDEX

L1 QUE (RAMAN) (8A) (LITHIUM) (8A) ENHANC?

=> file caplus